AudioCodes High Definition IP Phones Series

RX-PANEL Meeting Room Scheduler

Version 2.8.208





Table of Contents

Use	er's 8	م Administrator's Manual	1			
Not	tice		5			
	Security Vulnerabilities					
1	Intro	duction	7			
	1.1 1.2 1.3	Highlights Specifications Security Guidelines	7 7 8			
2	Gett	ing Started1	0			
	 2.1 2.2 2.3 2.4 2.5 2.6 	Before Getting Started 1 Positioning 1 Mounting 1 Cabling 1 Powering up 1 Managing RX-PANEL 1	0 0 1 2 2			
3	Usin	a RX-PANEL	4			
	3.13.23.33.43.5	Reserving a Meeting1Managing a Reservation1Checking in1Configuring User Settings13.4.1Configuring Accessibility3.4.2Rebooting the Device13.4.3Viewing Device Information1Configuring Admin Settings1	4 5 6 17 17 18 9			
		3.5.1 Configuring Device Administration. 1 3.5.2 Configuring Display Settings. 2 3.5.3 Configuring Time Zones on Teams Devices. 2 3.5.4 Configuring Wi-Fi 2 3.5.5 Configuring Bluetooth 2 3.5.6 Configuring USB 2 3.5.7 Configuring Power Saving 2 3.5.8 Configuring Security. 2 3.5.9 Configuring Language & Input 2 3.5.10 Modifying Network 2 3.5.11 Configuring 802.1x Settings 2 3.5.12 Configuring VLAN Settings 2	20 21 22 24 24 25 25 27 28 29			
	3.6	Enrolling a Device with Intune Policies33.6.1Creating a Dynamic Group33.6.2Creating an Exclusion Group3	52 32 32			
	3.7	Removing Devices from Intune admin center	3			
4	Deb	ugging3	8			

4.1	Log Settings	38
4.2	Voice Record	40
4.3	Remote Logging	. 40
4.4	Diagnostic Data	41
4.5	Reset configuration	41
4.6	User Data Reset	42
4.7	Restart Teams App	42
4.8	Debug Recording	42
4.9	Erase all data (Factory Reset)	43
4.10	ADB	. 44
4.11	SSH	44
4.12	Screen Capture	. 44
4.13	Remote Packet Capture	. 44
4.14	Enabling Advanced Meeting Functions	. 44

Notice

Information contained in this document is believed to be accurate and reliable at the time of printing. However, due to ongoing product improvements and revisions, AudioCodes cannot guarantee accuracy of printed material after the Date Published nor can it accept responsibility for errors or omissions. Updates to this document can be downloaded from https://www.audiocodes.com/library/technical-documents.

This document is subject to change without notice.

Date Published: March-19-2025

Security Vulnerabilities

All security vulnerabilities should be reported to vulnerability@audiocodes.com.

WEEE EU Directive

Pursuant to the WEEE EU Directive, electronic and electrical waste must not be disposed of with unsorted waste. Please contact your local recycling authority for disposal of this product.

Customer Support

Customer technical support and services are provided by AudioCodes or by an authorized AudioCodes Service Partner. For more information on how to buy technical support for AudioCodes products and for contact information, please visit our Web site at https://www.audiocodes.com/services-support/maintenance-and-support.

Stay in the Loop with AudioCodes



Abbreviations and Terminology

Each abbreviation, unless widely used, is spelled out in full when first used.

Documentation Feedback

AudioCodes continually strives to produce high quality documentation. If you have any comments (suggestions or errors) regarding this document, please fill out the Documentation Feedback form on our Web site at http://online.audiocodes.com/documentation-feedback.

Related Documentation

Document Name			
RX-PANEL Meeting Room Scheduler Datasheet			
RX-PANEL Meeting Room Scheduler Quick Guide			
One Voice Operation Center (OVOC) Release Notes			
One Voice Operation Center (OVOC) User's Manual			
Device Manager Administrator's Manual			



Document Revision Record

LTRT	Description
18295 Updated to Version 2.8.208 Updated Time Zone.	

1 Introduction

The AudioCodes PANEL-RX Meeting Room Scheduler is a purpose-built Microsoft Teams Panel with an intuitive touchscreen display. Neatly installed right at the entrance to the meeting room, the RX-PANEL's brightly colored status LED enables users to quickly see the meeting room's availability from a distance. Users can also view the meeting details on its sleek and clear LCD screen and reserve a meeting room on the spot.

Note:



With this release, Microsoft Teams Android devices now utilize Intune Android Open Source Project (AOSP) device management. AOSP device management is a mobile device management (MDM) platform specifically designed for Teams devices. This update delivers more reliable user experience, an enhanced deployment process for administrators, and serves as the foundation for future innovations and advanced management capabilities for Microsoft Teams Android devices, including Teams Rooms, Teams panels, Teams phones, and Teams displays.

AOSP Device Management replaces the legacy Android Device Administrator solution previously used to manage Teams devices.

For detailed information on the AOSP migration process, please refer to the article <u>Moving Teams Android Devices to AOSP Device Management | Microsoft Community</u> <u>Hub</u>.

1.1 Highlights

RX-PANEL supports the following features:

- Utilizes plug-and-play simplicity to boost the meeting room experience with a dedicated panel showing the meeting details and room availability.
- Easily reserve the room for ad-hoc meetings.
- Unique, clearly-visible status LED indicating meeting space availability.
- Glass and wall mountable for a professional and spotless appearance.
- Dedicated special touch buttons (Home and Back).
- High-resolution 8-inch touchscreen.
- Runs Android 12 for improved security.
- Can be managed by AudioCodes Device Manager.

Part number: TEAMS-RX-PANEL-MSRP

1.2 **Specifications**

The following table shows the RX-PANEL specifications.

Feature	Description
LCD	High resolution touch LCD, anti fingerprints, 1280 x 800
Built-in keys	Dedicated touch keys – Home and Back
Power	PoE Class 3 or external power supply
Connectivity	 Dual Band Wi-Fi Bluetooth 5.0 PoE Class 3 Ethernet
LED	RGB Status LED

7

Feature	Description
Dimensions (W x H x D mm)	223.4 x 155.9 x 24.4
Weight (kg)	0.8
Mounting	Wall and glass mount (the glass option should be ordered separately)
Certifications	Microsoft Teams Rooms
Compatibility	Works with Android and Windows based meeting room devices

1.3 Security Guidelines

For detailed security guidelines regarding AudioCodes Native Teams Android-based devices, refer to the document <u>Security Guidelines for AudioCodes Native Teams Android based Devices</u>.

This page is intentionally left blank.

2 Getting Started

The figure below shows the physical appearance of AudioCodes' RX-PANEL Meeting Room Scheduler.



See <u>here</u> for more information about the device.

2.1 Before Getting Started

Make sure you received the following in the shipped box:

- Ethernet cable
- 4 screws, 4 wall anchors, 1 template (for concrete wall mount)
- Glass-mounting bracket (for glass partition mount)



2.2 **Positioning**

Position the device at the entrance to a conference room. Mount the device on a:

- concrete wall -or-
- glass partition



Note: Note that the device is suitable for mounting at a height no more than 2m.

2.3 Mounting

Concrete wall (see figure below)

Use the supplied template to mark locations for 4 wall anchors; insert the 4 screws into them.



Glass partition (see figure below)
 Remove the bracket's adhesive strip cover, fix the bracket on the glass and hang RX-PANEL on it.



2.4 Cabling

The figures below show the RX-PANEL rear connector ports.



#	Description
1	The figure above left shows the ports' location (concealed view).The figure above right shows the exposed view.
2	DC jack for 12V power supply
3	Reset (Insert pin, unplug PoE, keep pin inserted, plug in PoE, keep pressing for 10 seconds)
4	Ethernet LAN/PoE GbE, RJ-45
5	USB Type C connector (for maintenance purposes) (see the User's & Administrator's Manual)

2.5 **Powering up**

Connect the RX-PANEL LAN/PoE to any PoE Ethernet switch; the unit powers up.

2.6 Managing RX-PANEL

RX-PANEL is managed by AudioCodes' One Voice Operations Center | Device Manager. Management includes:

- Firmware management / upgrade
- Alarm management
- APK upgrade



Note: Firmware *downgrade* is blocked as of version 2.6.280 to prevent a possible race condition (conflict) between Microsoft Teams admin center (TAC) and AudioCodes' OVOC | Device Manager.

This page is intentionally left blank.

3 Using RX-PANEL

Use the table below as reference to the following figure.



Use this table as reference to the preceding figure:

L-R	Description					
1	Space availability status LED, viewable from a distance:					
	 Green = meeting space available; optionally reserve it right now 					
	 Red or purple = meeting space unavailable 					
	 Flashing red is a system status alert indicating, for example, recovery mode. 					
	 Flashing green and blue indicates restore to defaults. 					
2	Meeting details; meeting time date organizer					
3	Meeting space availability status					
4	'Back' button; Tap to return to the screen previously accessed					
5	All meeting spaces and availability statuses					
6	Tap to reserve an available meeting space for an ad hoc meeting					
7	 Tap to return to the home screen from any screen. 					
	 Long-press to access Settings. 					
Note: A	Note: Admin can change background wallpaper color of status indicator text contrast, etc.					

3.1 Reserving a Meeting

You can reserve an ad hoc meeting when the LED is green.

To reserve an ad hoc meeting:

1. Activate RX-PANEL.

Torrerererererererererererererererererer	Audiocodes devices	
AUDC HQ Test		
	Test meeting 17:30-18:00 Available 18:00-00:00	
	Tuesday, October 03 Available 00000-15-38	¢

- Reserve a room using the QR Code in the home screen. RX-PANEL allows people to
 reserve the meeting room using the QR code. For more information about the feature,
 see <u>here</u>. For information about reserving a room using QR code, see <u>here</u>. This feature
 is enabled by default and can be disabled under **Device settings** > Admin
 settings > Meetings.
- [When RX-PANEL is paired with a Microsoft Teams Room on Android device (RXV81 -OR- RXV200), tap Reserve.

13:31 Monday, Jun 26, 2023			Available		
Conferen	Ē	Ad hoc meeting			
AUDC HQ	© €)	Conference Room AUDC H Choose end time	Q Test		
		13:45	14:15		
		14:00	14:30		
	٩	13:31 - 13:45			
			Cancel Re	serve	
C					
					ø

- **2.** Tap < or > to navigate to the end time.
- 3. Tap Reserve.

3.2 Managing a Reservation

- > To manage reservation:
- 1. Activate RX-PANEL and tap Manage.

imes Manage reservation	
📰 Check out	_
Extend room reservation	Manage

- 2. Tap **Check out** and in the verification prompt, tap **Check out**; this ends your room reservation.
- 3. Optionally, tap Extend room reservation.



4. Choose the end time and then tap **Reserve**.

3.3 Checking in

- > To check in:
- 1. Activate RX-PANEL.

11:01 Tuesday, Jun 27, 2023	maxim geller's Zoom Meeting
Conference Room AUDC HQ Test	Maxim Geller
	Farhad Niat's Zoom Meeting Check In 11:00-11:30
Ø	Available 11:30-00:00 Wednesday, June 28 Available 0000-11:00
Room equipme	à

2. Tap Check in

3.4 Configuring User Settings

User's Manual			Contents
Note: Long-pi	ress the button on t	he device.	
 ← Settings User ▲) Sound ★ Accessibili {} Reboot § Touch scree ① About devi Device admin setting 	Ity A en ce gs	Media volume Ring & notification volume	•
 Device Adr Display Date & time 	e		

3.4.1 Configuring Accessibility

Bluetooth

🗢 Wi-Fi

RX-PANEL features an accessibility service that allows low-vision users to interact with the device without difficulty. The feature improves the experience of these users.

- > To configure Accessibility:
- 1. Under 'User' settings, tap Accessibility.

÷	Settings	Accessibility	
User		Developed and	
•	Sound	bownoaded apps	
Ť	Accessibility	Font size	
{}	Reboot	High contrast text	•
\$	Touch screen	Color correction	
(i)	About device		
Device	admin settings		
ර	Device Administration		
٩	Display		
Q	Date & time		
¢	Wi-Fi		
*	Bluetooth		

- 2. Adjust the font size according to preference.
- **3.** Adjust the contrast according to preference.
- 4. Adjust the color correction according to preference.

3.4.2 Rebooting the Device

You can reboot the device.

> To reboot the device:

1. Under 'User' settings, tap the **Reboot** setting.

÷	Settings	Reboot
User		Reboot
۰	Sound	
Ť	Accessibility	
{}	Reboot	
\$	Touch screen	
(i)	About device	
Device	admin settings	
ර	Device Administration	
٩	Display	
S	Date & time	
(•	Wi-Fi	
*	Bluetooth	

2. Tap **Reboot** and in the verification prompt displayed, tap **OK**.

3.4.3 Viewing Device Information

You can view information about the device.

- > To view information about the device:
- 1. Under 'User' settings, tap **About device**.

←	Settings	About device
User		Status
•)	Sound	
Ť	Accessibility	Model RX-PANEL
{}	Reboot	Device information RX-PANEL, integrated BT, 4 GB RAM, dual band WiFi
\$	Touch screen	Android version
i	About device	-
		Version info
Device	admin settings	Moro
ර	Device Administration	MOR
٩	Display	
0	Date & time	
(;	Wi-Fi	
*	Bluetooth	

2. Tap More to display more information.

÷	Settings	E About device More
User		
۲	Sound	Android Security Patch Level 2022-03-05
Ť	Accessibility	Android Version
{}	Reboot	12
\$	Touch screen	Firmware Version 2.1.600
(i)	About device	
Device	admin settings	
්	Device Administration	
٩	Display	
S	Date & time	
(÷	Wi-Fi	
*	Bluetooth	

3. Tap Status.

÷	Settings	C About device Status
User	Sound	IP address fe80::bf07:9539:b055:6385 10.16.2.59
Ť	Accessibility	Wi-Fi MAC address 00:17:19:05:cc:d1
{ }	Reboot	
\$	Touch screen	Device MAC address 00:17:19:05:CC:D0
()	About device	Bluetooth address b4:8c:9d:c8:99:b4
Device	admin settings	Serial number
ර	Device Administration	R00300112
٩	Display	Up time 23:43:45

3.5 Configuring Admin Settings

3.5.1 Configuring Device Administration

- > To configure device administration:
- 1. Under 'Device admin settings', tap **Device Administration**.

÷	Settings	Device Administration
User		Login
•)	Sound	
Ť	Accessibility	
{}	Reboot	
\$	Touch screen	
(j)	About device	
Device	e admin settings	
්	Device Administration	

2. Tap Login, enter your password using the virtual keyboard displayed, and then tap OK.

Caudiocodes

← Settings		Device Administration
Device admin se	ttings	Logout user
🗗 Device	Administration	Account Signout
🚯 Display		Chance password
C Date &	time	

- **3.** Tap **Logout user** to log out.
- 4. Tap Account Signout to sign out from Teams.
- 5. Tap **Change password** to replace your old password with a new one. Use the virtual keyboard displayed to define the old and the new.

3.5.2 Configuring Display Settings

- To configure display settings:
- 1. Under 'Device admin settings', tap **Display**.

← Settings	Display
- Device admin settings	Brightness level
Device Administration	Screen timeout
🚯 Display	Area of minutes of macroixy
() Date & time	Font size Default
🙃 Wi-Fi	Screen saver Off

- 2. Tap the Brightness level scale to decrease or increase screen brightness.
- 3. Tap Screen timeout.



- 4. Tap the option of your choice and then tap \leftarrow to go back to the previous screen.
- 5. Tap Font size to make the text on the screen smaller or larger than the default and then tap ← to go back to the previous screen.
- 6. Tap Screen saver.



- 7. Tap Off to activate (or On to deactivate).
- 8. Tap Current screen saver to change Clock > Colors or Colors > Clock depending on your preference and then tap ← to go back.

3.5.3 **Configuring Time Zones on Teams Devices**



Note:

- AudioCodes recommends using Geolocation as the time zone configuration method.
- Geolocation is the default setting, if no other changes to the time zone settings are made, the device retrieves the time from its geographical location.



Note: Manual time zone setting is **NOT** recommended. Choosing a time zone manually may cause retrieval of the incorrect time zone, and cause functionality issues.

You can configure the time zone using one of the following methods, which are listed in order of preference for best performance:



- The default geolocation method uses a device's public IP address to obtain its location. If the devices are behind NAT, they are using STUN server to discover their public IP addresses.
- A common STUN server example is Google's publicly accessible server: stun.l.google.com:19302 (default URL).

DHCP Option 100/101 (posix/tzdbx):

Configuration is obtained from DHCP server (once defined as available).

Admin Provisioning:

Use one of the following:

- Teams Admin Center, created under configuration profile.
- Device Manager, created in configuration parameters setup.

Caudiocodes

The supported parameters for Device Manager configuration can be found in product specific Admin and User guides. For Teams Admin Center see Microsoft documentation on creating a configuration profile.

Date & time	
Automatic date & time Use network-provided time	
Select time zone GMT+02:00 Israel Standard Time	
Automatic 24-hour format Use locale default	
Use 24-hour format 1:00 PM	

3.5.4 Configuring Wi-Fi

Admins can configure the device's Wi-Fi settings. The settings are concealed from the user's view.

Note: The Wi-Fi connection is transparent to users; which frequency is used, 2.4 GHz or 5 GHz, is made for users by the device; users cannot disable one or the other.

To configure Wi-Fi:

1. Under 'Device admin settings', tap Wi-Fi.

\	Settings	Wi-Fi		
Device	admin settings	Us	e Wi-Fi	•
•	Display	Ŷ	AC-Training	٥
S	Date & time	$\widehat{\mathbf{v}}$	AUDC-Unitask	۵
(¢	Wi-Fi	$\widehat{\mathbf{v}}$	Audc_IOT	۵
*	Bluetooth	$\widehat{\mathbf{v}}$	Audc_Reception_Visitors	۵
ψ	USB	~		0
0	Power saving	¥	AudioCodes	
ර	Security	$\widehat{\mathbf{v}}$	Guest-AudC	
۲	Languages & input		audc-ph	۵
<>	Modify network	\bigtriangledown	IPP_DMZ_2.4GHz	۵

- 2. Activate Use Wi-Fi and then view a list of available connections.
- **3.** Select the Wi-Fi network you want and then use the virtual keyboard displayed to enter the password.

3.5.5 Configuring Bluetooth

Admins can configure the device's Bluetooth settings. Hands free profile where the phone is able to connect to Bluetooth headset or speaker.

To configure Bluetooth:

1. Under 'Device admin settings', tap **Bluetooth**.

(Settings	Bluetooth	
Device	admin settings	Use Bluetooth	
۵,	Device Administration		
٩	Display	Device name RX-PANEL	
S	Date & time	+ Pair new device	
(ŀ	Wi-Fi	Previously connected devices	
*	Bluetooth	0	
ψ	USB	When Bluetooth is turned on, your device can communicate with other nearby Bluetooth devices.	

2. Activate Use Bluetooth and then tap + Pair new device.

÷	Settings	← Bluetooth Pair new device	÷
\$	Touch screen	Device name RX-PANEL	
(i)	About device	Available devices	0
Device	admin settings	* RXV81	
ර	Device Administration	445HD_BT_44	
٩	Display	445HD_BT_4A	
S	Date & time	445HD_BT_59	
(;	Wi-Fi	0	
*	Bluetooth	Device's Bluetooth address: B4:8C:9D:C8:99:B4	

3. Tap a device with which to pair RX-PANEL.

Pair with RXV81?		
Bluetooth pairing code 107784		
Allow access to your contacts and call history		
	CANCEL	PAIR

4. Tap PAIR.

3.5.6 Configuring USB

- > To configure USB:
- **1.** Under 'Device admin settings', tap **USB**.

÷	Settings	USB	
Device	admin settings	Audio Device Mode	
ර	Device Administration		
٩	Display		
S	Date & time		
(;	Wi-Fi		
*	Bluetooth		
ψ	USB		

2. Activate **Audio Device Mode** and then tap \leftarrow to go back.

3.5.7 Configuring Power Saving

To configure Power Saving:

1. Under 'Device admin settings', tap **Power Saving**.

←	Settings	Power saving
Device	admin settings	Enable power saving On
ර	Device Administration	Start time 7.00
٩	Display	
S	Date & time	End time 19:00
(;	Wi-Fi	
*	Bluetooth	
ψ	USB	
S	Power saving	
්	Security	
۲	Languages & input	
<>	Modify network	

- 2. Activate **Power Saving** and then configure **Start time** and then **End time**.
- **3.** Tap \leftarrow to go back.

3.5.8 Configuring Security

- **To configure Security:**
- 1. Under 'Device admin settings', tap **Security**.

÷	Settings	Security
Device	admin settings	Privacy
්	Device Administration	Show passwords Display characters briefly as you type
٩	Display	
S	Date & time	
¢	Wi-Fi	
*	Bluetooth	
ψ	USB	
S	Power saving	
්	Security	

- 2. Under Privacy, activate/deactivate Show passwords.
- **3.** Tap \leftarrow to go back.

3.5.9 Configuring Language & Input

- To configure Language & Input:
- 1. Under 'Device admin settings', tap Language & Input.

÷	Settings	Languages & input
Device	admin settings	☆A Languages English (United States)
ර	Device Administration	Keyboards
٩	Display	On-screen keyboard Android Keyboard (AOSP)
0	Date & time	Physical Keyboard
(;	Wi-Fi	Not connected
*	Bluetooth	Text-to-speech output
ψ	USB	
0	Power saving	
ර	Security	
	Languages & input	

2. Touch Languages.

← Languages
English (United States) Main language
Deutsch (Deutschland)
English (United Kingdom)
Español (España)
Français (Canada)
Français (France)
Italiano (Italia)
Magyar (Magyarország)
Nederlands (Nederland)

- 3. Select a language and then view the **Changing language for Teams app** counter displayed until the language is changed. Tap ← to go back.
- 4. Tap Manage on-screen keyboards.



5. Define settings under 'Preferences' and 'Advanced' if necessary.

← Android Keyboard Settings (AOSP)	
Languages English (US)	
Preferences	
Advanced	

← Android Keyboard Settings (AOSP)	
Auto-capitalization Capitalize the first word of each sentence	•
Double-space period Double tap on spacebar inserts a period followed by a space	•
Sound on keypress	

6. Configure your keyboard preferences, tap \leftarrow to go back and then tap **Advanced**.

← Android Keyboard Settings (AOSP)	
Keypress sound volume System default	
Key long press delay 300ms	

7. Tap \leftarrow to go back and then again tap Languages & input.



3.5.10 Modifying Network

Enables admins to determine network information and to modify network settings.

> To modify network settings:

1. Under 'Device admin settings', tap **Modify Network**.

÷	Settings	Modify network	
ර	Device Administration	IP address fe80::bf97:9539:b055:6385	
٩	Display	10.10.2.39	
S	Date & time	IP settings DHCP	
((•	Wi-Fi	Network state: Connected	
*	Bluetooth	Enable PC Port	
ψ	USB	Po Port enabled but not connected	
C	Power saving	Enable PC Port Mirror Off	•
ර	Security	Proxy	
۲	Languages & input	802.1x Settings	
<i>«</i> »	Modify network	VLAN Settings	

- 2. View read-only settings IP address, IP settings and Network state.
- 3. Tap IP settings.

IP settings		
• DHCP		
O Static		
	CANCEL	ок

- 4. Select **DHCP** or **Static** and tap **OK**.
- 5. Tap Enable PC Port to enable the PC port. Tap Enable PC Port Mirror to enable PC port mirror. RX-PANEL supports the port mirroring network monitoring technique of copying and sending network packets transmitted as input from a device port to another port of a monitoring device for enhanced analysis and debugging capability.
- 6. Tap **Proxy** to configure RX-PANEL with an HTTP Proxy server.

÷	Settings			← Modif	y network	/lodify network				
ර	Device Administration	on		Proxy hostn	iame					
⊘	Display			Proxy port						
0	Date & time				cy for					
(;	Wi-Fi				.,					
*	Bluetooth			DONE	CLEAR	RESTORE DEF	AULTS			
ψ	USB									
q	1 2 W	e	ε 4 Γ	t	у	⁷ И	i ⁸	9 O	p	×
а	S	d	f	g	h	j	k	I	•	
+	Z	Х	С	V	b	n	m	ļ	?	<u>+</u>
~	?123	,			-		<	>		.com

7. Tap \leftarrow to go back.

3.5.11 Configuring 802.1x Settings

Admins can configure 802.1x Settings.

To configure 802.1x settings:

1. Under 'Device admin settings', tap 802.1x Settings.

802.1x Settings			
Enable 802.1x			
		CANCEL	SAVE

2. Tap Enable 801.1x and then tap Save.

3.5.12 Configuring VLAN Settings

Admins can configure VLAN Settings. VLAN Settings allow you to configure the VLAN mode **Manual**, **CDP only** or **LLDP only**. Note that LLDP switch information is retrieved (for location purposes) when parameter network/lan/lldp/enabled=1 (even when VLAN is retrieved from **CDP** or VLAN is disabled or VLAN is **Manual**).

To configure VLAN settings:

1. Under 'Device admin settings', tap VLAN Settings.

÷	Settings	Contract VLAN Settings
ර	Device Administration	VLAN Discovery mode Disabled
٩	Display	
0	Date & time	
((•	Wi-Fi	
*	Bluetooth	
ψ	USB	
C	Power saving	
ර	Security	
	Languages & input	
«·· »	Modify network	
{}	Debugging	

2. Tap VLAN Discovery mode.



- Cisco Discovery Protocol (CDP) is a Cisco proprietary Data Link Layer protocol
- Link Layer Discovery Protocol (LLDP) is a standard, layer two discovery protocol
- **3.** Select the mode you require and then tap OK. If you select **Manual configuration**, this screen opens:

÷	Settings	Modify network VLAN Settings
ර	- Device Administration	VLAN Discovery mode Manual configuration
٩	Display	VLAN ID
0	Date & time	*1
((•	Wi-Fi	VLAN Priority 1
*	Bluetooth	
ψ	USB	
S	Power saving	
ර	Security	
•	Languages & input	
<>	Modify network	
{}	Debugging	

4. Tap VLAN ID.

VLAN ID)								
Enter VL	Enter VLAN ID (range 0 to 4094)								
					CAN	CEL OK			
_	-	_							
-	+		1	2	3	×			
*	/		Δ	5	6				
.1.	/	,	т	0	0	•			
()	=	7	8	9				
			ste	0	ш				
~			*	U	#				

- 5. Enter the VLAN ID (range 0-4094) using the virtual keyboard and then tap **OK**.
- 6. Tap VLAN Priority.

VLAN Priority Enter VLAN Priority (range 0 to 7)								
					CAN	ICEL OK		
			-	-	-			
-	+		1	2	3	×		
*	/	,	4	5	6	0		
()	=	7	8	9			
~			*	0	#			

7. Enter the VLAN Priority (range 0-7) using the virtual keyboard and then tap **OK**.

3.6 Enrolling a Device with Intune Policies

Two ways are available to enroll an AudioCodes Teams Android-based device in Intune:

- Create a dynamic group see below
- Create an exclusion group see below

3.6.1 Creating a Dynamic Group

See here how to create dynamic groups in Intune for enrolling AudioCodes Android-based Teams devices.

3.6.2 Creating an Exclusion Group

The information presented here shows how to *exclude* AudioCodes Android-based Teams devices from the organization's Intune policies.

> To exclude devices from the organization's Intune policies:

- Remove all conditions that were previous configured:
 - Access Microsoft Azure Government Portal Home > Conditional Access Policies > Require Hybrid Joined or Intune to Access Cloud Resources Conditional Access policy as shown in the figure below.
 - Exclude the device from Intune policies and replace displayName -contains RX-PANEL

where **RX-PANEL** is the name of the device model (device.model).

Microsoft Intune admin center	ſ							TALKMAIL (TALKMAIL COM) 🥌
«	Home > Devices Conditional access > Cond	litional Access Overview >		Filter fo	or devices			×
A Home	New							
Dashboard	Conditional Access policy			6 f f				
All services	for the later the set of the different to set	dented according to share to feed and different		Configure a fi	itter to apply policy to specific devi	ces. Learn more Lo		
Devices	policy to bring signals together, to make decisions, and enforce organizational policies.	like risk, device platform, location, client apps, or device state. Learn more 🖉		Configure ()	No			
Apps	Learn more 🗗	Device platforms ③						
뤇 Endpoint security	Name *	Not configured		Devices match	hing the rule:			
Reports	Example: 'Device compliance app policy'	Locations		O Include fi	iltered devices in policy			
🚨 Users	Assignments	Not configured		Exclude 1	hitered devices from policy		- Oter and -	
Sroups	Users ()			And/Or	Property	Operator	Value	
Tenant administration	0 users and groups selected	Client apps ()		,	diada di suo		510.04	~
X Troubleshooting + support	Transformer 0	Not configured			displayName	Equais	KXV81	
,	larget resources ()	Filter for devices ①		And	displayName	Equals	RXV200	
	No target resources selected	Exclude filtered devices		+ Add expre	ession			
	Conditions ①	Authentication flows (Preview) ①		Rule syntax ①				C Edit
	1 condition selected	Not configured		device.displa	ayName -eq "KXV81" -and device.c	displayName -eq "RXV	200"	
	Access controls							
	Grant ①							
	0 controls selected							
	Service O		-					
	0 controls selected							
	Enable policy							
	Reporteonly on off							
	Create			Done				

3.7 Removing Devices from Intune admin center

You can remove devices from Intune admin center when the maximum capacity of signed-in devices is reached.

- **>** To remove devices from Intune admin center:
- 1. Go to Microsoft 365 admin center [portal.office.com] and log in with an Administration account.
- 2. Navigate to **Devices** > **Android devices**.

Microsoft Intune admin cente	r					
Home Dashboard	Home > Devices Android > Android	evices …				
All services	Search « Overview	🖒 Refresh 🛓 Export	E Columns V	Bulk device action	15	
Apps	C Android devices	O Search	0	OS: Android (d	evice administrator). And	roid (nersonally-ow+4
Endpoint security	Android enrollment	/ Jearch				the free second of the first of the
Reports	Android policies	Device name	Managed by	Ownership	Compliance	os 🛛
Lusers	Compliance policies	Confroomaudc_Androi	Intune	Personal	Compliant	Android (device admi
Sroups	Gonfiguration profiles	Confroomaudc_Androi	Intune	Personal	O Compliant	Android (device admi
Tenant administration	Android FOTA deployments	Confroomaudc_Androi	Intune	Personal	😋 Compliant	Android (device admi
X Troubleshooting + support		Confroomaudc_Androi	Intune	Personal	Compliant	Android (device admi
		Confroomaudc_Androi	Intune	Personal	Compliant	Android (device admi
		Confroomsude Androi	lature.	Descent	· · · · · · · ·	Andrald (doules adm)



Note: The Intune admin center service is licensed according to the terms of individual licenses so not all network admins will be able to navigate to it. Check if the license you're using includes the service or not.

3. Click Bulk device actions.

RX-PANEL

Home > Devices Android > Androi	id Android devices >	
Bulk device action	113 M	
Basics Devices 3 R	Review + create	
OS *	Android (device administrator)	~
Device action *	▶ Delete	\sim
f you delete this device, you will n	to longer be able to view or manage the device from the Intune portal.	The device will no
longer be allowed to access your o to check-in after it is deleted.	company's corporate resources. Company data may be wiped from the	device if the device tries
Previous Next		

4. From the 'OS' drop-down under the **Basics** tab, select **Android (device administrator)**. From the 'Device action' drop-down, select **Delete**. Click **Next**.

Microsoft Intune admin cent		😡 🖓 🕲 🔘 🖓 👘 🖓 👘 🖓 👘
A Home	Home) Devices (Android) Android (Android devices) Bulk device action —	Select devices ×
California	Al kasa one device must be selected Al kasa one device must be selected Constant Constant	Section by Mills, Levis running, event Liser principal runni, division name, management name, phone number, molid, et manufacture, Of Andreid (device administrature) Of Andreid (device administrature) Commonaudic (Andreid, 2020/2024, 9:23 AM Commonaudic device device administrature) Commonaudic (Andreid, 2020/2024, 9:23 AM Commonaudic device device administrature) Ofderom-audre (Andreid, 2020/2024, 9:23 AM Commonaudic device device administrature) Orderom-audic (Andreid, 2020/2024, 9:23 AM Commonaudic device device administrature) Orderom-audic (Andreid, 2020/2024, 9:23 AM Commonaudic device device administrature) Orderom-audic (Andreid, 2020/2024, 9:23 AM Commonaudic device device administrature) Orderom-audic (Andreid, 2020/2024, 9:33 AM Commonaudic device device administrature) Orderom-audic (Andreid, 2020/2024, 9:33 AM Commonaudic (device administrature) Orderom
	Previous Next	Select

5. Select the devices to delete (i.e., to remove from Intune admin center), and then click Select.





6. Under the **Devices** tab, click **Next**.

Microsoft Intune admin center						
×	Home > Devices Android > Android	Android devices >				
A Home	Bulk device action					
🖾 Dashboard						
E All services						
Devices	Sasics ODevices ORevi	ew + create				
Apps	Summary					
Endpoint security	Basics					
Reports	Device action	Delete				
Lusers	OS	Android (device administrator)				
Sroups	Davisas					
Tenant administration	Devices					
X Troubleshooting + support	3 devices selected (100 max)					
	Device name	Primary user UPN	os			
	Confroomaudc_Android_2/22/2024_11:	Confroomaudc@audiocodesipprnd.onmicrosoft.com	Android (device administr			
	Confroomaudc_Android_2/22/2024_2:5	Confroomaudc@audiocodesipprnd.onmicrosoft.com	Android (device administr			
	Confroomaudc_Android_2/22/2024_9:1	Confroomaudc@audiocodesipprnd.onmicrosoft.com	Android (device administr			
	2					
	Previous Create					

7. Under the **Review + Create** tab, make sure your definitions are correct and then click Create; admin receives a notification that a delete action from Intune was successfully initiated on all devices and that *n* devices were removed.



Note: It may take some time to completely sync the devices with the account so after delet- ing the devices wait for 30 minutes before signing in.

This page is intentionally left blank.

4 Debugging

- AudioCodes RX-PANEL leverages SSH as a debugging interface.
- AudioCodes recommends that customers disable SSH on RX-PANEL via AudioCodes' Device Manager (OVOC).
- AudioCodes recommends changing the Admin password from the default, via AudioCodes' Device Manager (OVOC).
- When RX-PANEL or multiple RX-PANELs needs to be debugged, users can enable SSH on it / them, access SSH with the new Admin password for the debugging phase, and disable SSH once debugging is finished.



Note: SSH is by default disabled and can be enabled with Administrator permissions in the RX-PANEL screen (**Device Administration** > **Debugging** > **SSH**).

4.1 Log Settings

Admins can configure log settings such as Log Level, Log Package Filter, Log Tag Filter and Log Buffer Filter.

- To log settings:
- **1.** Tap **Log settings**.



2. Tap Log Level.

Log	Log Level					
0	Verbose					
0	Debug					
0	Info					
0	Warning					
0	Error					
0	Assert					
\circ	None					
		CANCEL				

3. Tap the level you require.

4. Tap Log Package Filter.

÷	Settings		Cebugging	Log settings			
්	Device Administration		Log Level			_	
٩	Display	Log Package F	ilter				
C	Date & time						
((•	Wi-Fi			_	CANCEL OK		
*	Bluetooth		Current filter for logcat	logs			
ų	USB						
q	1 2 W 6	e r	t y	6 7 U	i	9 O	p 🛛
а	S (d f	g h	j	k	I	
+	z z	x c	v b	n	m	!	? 🔺
~	?123	,			<	>	com

5. Tap Log Tag Filter.

÷	Settings		C Del	bugging Log	settings				
්	Device Administration		Log Leve	4					
٩	Display	Log Tag Filte	r						
C	Date & time					0411051 01	-		
((;	Wi-Fi		_	_	_	CANCEL OF	<		
*	Bluetooth		Current fi logcat	lter for logs					
ψ	USB								
q	1 2 W	e r	t	у 6	⁷ И	i ⁸	9 O	р	×
а	S	d f	g	h	j	k	I	0	
	Z	х с	V	b	n	m	!	?	
~	?123	,				<	>		.com

6. Tap Log Buffer Filter.

Log	Log Buffer Filter								
	Radio buffer								
	Events buffer								
	Main buffer								
	System buffer								
	Crash buffer								
	View all buffers								
\checkmark	Default - main, system and crash buffers								
		CANCEL	ОК						

7. Tap the level you require and then tap **OK**.

4.2 Voice Record

Read only setting.

4.3 Remote Logging

Remote Logging via Syslog provides information relevant to device issues (not Teams application issues). When performing Remote Logging via Syslog, the logs are collected in real time.

- > To configure remote logging capability:
- 1. Tap Remote logging.



2. Tap Remote IP address.

÷	Settings			K	Debugging	Remote Lo	gging			
ර	Device Administration			Re	emote IP addr	ess				
$\langle 0 \rangle$	Display	Remo	ote IP a	address						
C	Date & time						CANC			
((•	Wi-Fi				-	-	CANCE	EL UK		
*	Bluetooth									
ψ	USB									
		-	+	Pause	1	2 авс	3 DEF	×		
		,		Wait	4 _{GHI}	5 JKL	6 мио			
		()	Ν	7_{pqrs}	8 _{TUV}	9 _{wxyz}			
		~			*	0.	#			

3. Enter the IP address using the virtual keyboard, tap **OK** and then tap **Remote port**.

÷	Settings				Debuggir	ng Remote Lo	ogging		
්	Device Administration			R	emote IP add	dress			
٩	Display	Remot	te por	t					
C	Date & time								
(;	Wi-Fi				-	-	CAN	CEL OK	
*	Bluetooth								
ţ	USB								
		-	+		1	2	3	×	
		*	/	,	4	5	6		
		()	=	7	8	9		
		~			*	0	#		

4. Enter the number of the remote port using the virtual keyboard and then tap **OK**.

4.4 Diagnostic Data

Network administrators can get diagnostics information to facilitate debugging.



Note: Administrators who need to get diagnostics info from the device can dump the logs to the phone's Secure Digital (SD) Card and then later collect them using Secure Copy Protocol (SCP) based on Secure Shell (SSH) protocol. Whenever an issue occurs, the administrator can dump the logs into the SD Card.

To get diagnostic data:

Tap **Diagnostic data**.

Diagnostic Data		
Copy logs to sdcard?		
	CANCEL	ок

4.5 Reset configuration

Admins can get the device to perform a restore to default factory settings.

- To reset configuration:
- Tap **Reset configuration**.

Reset configuration		
Are you sure you want to reset to your original configuration?		
	CANCEL	ок

4.6 User Data Reset

RX-PANEL provides a **User data reset** option that is similar to factory reset except that this option preserves predefined data after firmware upgrade.

- To access the functionality:
- Tap User data reset.

User data reset		
Are you sure you want to user data reset to your device? All apps data will be deleted and configuration will be restored		
	CANCEL	ОК



Note: After 'User data reset', network settings are preserved.

4.7 Restart Teams App

Refreshes the device's user interface.

4.8 Debug Recording

Admins can opt to get audio debug recording logs from the device screen. The purpose of these logs is for issues related to media.

- To get audio debug recording logs:
- 1. Tap Debugging > Debug Recording.



2. Tap Remote IP address.

÷	Settings			÷	Debugging	Debug Record	ling			
6	Device Administration			Re	mote IP addr	ess				
٩	Display	Remot	e IP ado	dress						
C	Date & time	Enter th	ne remot	e IP address	5					
((•	Wi-Fi						CANCEL	ок		
*	Bluetooth									
ψ	USB									
		-	+	Pause	1	2 ABC	3 DEF	×		
		,		Wait	4 _{GHI}	5 JKL	6 мно			
		()	Ν	7_{pqrs}	8 _{TUV}	9 _{wxyz}			
		~			*	0.	#			

3. Enter the remote IP address, tap OK and then tap Remote port.

÷	Settings			÷	Debugging	Debug Reco	rding		
ර	Device Administration			R	emote IP add	lress			
٩	Display	Remote	port	nort					
C	Date & time	50000	remote	port					_
(;	Wi-Fi						CAN	CEL OK	
*	Bluetooth								
ψ	USB								
		-	+		1	2	3	⊠	
		*	/		4	5	6		
				,	_				
		()	=	7	8	9		
		~			*	0	#		

4. Enter the remote port and then tap **OK**.

4.9 Erase all data (Factory Reset)

Admins can get the device to perform a restore to default factory settings.

- To erase all data:
- Tap Erase all data.

Erase all data (factory reset)		
	CANCEL	ок

4.10 ADB

Admins can get logs using UUID over ADB shell.



Note: To use this method of getting new logs, Android Debug Bridge (ADB), a command-line utility included with Google's Android SDK, must be installed on your PC.

4.11 SSH

Admins can activate a recording using AudioCodes' SSH protocol based Android Device Utility. See <u>here</u> for more information.

4.12 Screen Capture

Admins can grab a screen capture using AudioCodes' SSH protocol based Android Device Utility. See here for more information.

4.13 Remote Packet Capture

Admins can capture traffic using 'rpcapd' network sniffer application. The 'rpcapd' (Remote Packet Capture) network sniffer application allows the admin to analyze and debug Android traffic on their desktop PC using the app's integral SSH server. SSH is by default disabled and can be enabled with admin permission in the device screen.

4.14 Enabling Advanced Meeting Functions

> To enable advanced meeting functions:

1. Click the **Device Pairing** option in 'Teams Admin Settings' menu and select your device (to pair it at the Teams level):



2. Click the Wallpapers option to select a wallpaper of your choice.

÷	Teams Admin Settings	
	Wallpapers	Background
Q	LED settings	
	Meetings	
	Device pairing	
		Choose your image

3. Click the LED settings option to select the LED color indicating busy state.



4. Click the **Meetings** option to define advanced meeting check-in functions.

÷	Teams Admin Settings			
4	Wallpapers			
Q	LED settings	Check in Send check-in notification At the meeting start time, the room display will show a pop-up to notify that someone has checked in. Make sure this device is paired with the room display.		
	Meetings			
	Device pairing	Release room if no one checks in The room will decline the meeting invite if 10 minutes pass without someone of		•
		Release after.	10 minutes	*
		Meetings		
		Show meeting names		
		Max room occupancy notification		
		Show room equipment		
		Allow room reservation extensions		
		Allow early check-out Checking out of a room releases it so others can reserve it.		

This page is intentionally left blank.

International Headquarters

6 Ofra Haza Naimi Park Or Yehuda, 6032303, Israel Tel: +972-3-976-4000 Fax: +972-3-976-4040

AudioCodes Inc.

80 Kingsbridge Rd., Piscataway, NJ 08854, USA Tel: +1-732-469-0880 Fax: +1-732-469-2298

Contact us: https://www.audiocodes.com/corporate/offices-worldwide Website: https://www.audiocodes.com/

©2025 AudioCodes Ltd. All rights reserved. AudioCodes, AC, HD VoIP, HD VoIP Sounds Better, IPmedia, Mediant, MediaPack, What's Inside Matters, OSN, SmartTAP, User Management Pack, VMAS, VoIPerfect, VoIPerfectHD, Your Gateway To VoIP, 3GX, VocaNom and AudioCodes One Voice are trademarks or registered trademarks of AudioCodes Limited. All other products or trademarks are property of their respective owners. Product specifications are subject to change without notice.

Document #: LTRT-18295

